Contents

PLEASE NOTE

References to LabelView 6 in this manual apply equally to LabelView 7

5. **LABEL**STATION **SPECIFICATIONS**

1. GETTING STARTED

1.1. Unpacking your **Label**Station

The printer has been specially packaged to withstand damage in the shipping process. However, upon receiving the **Label**Station printer, carefully inspect the package and the device. In case of evident damage, contact Advanced Labelling Systems directly to specify the nature and extent of the damage. Please retain the packaging materials in case you need to reship the printer.

1.2. Equipment Checklist

- **Label**Station printer
- Ribbon paper core
- Ribbon supply/rewind spindle (2 pcs.)
- Label supply roll spindle
- External label roll mount spindle
- Power supply
- Power cord
- Parallel interface cable
- Installation guide
- Label design software CD-ROM

If any parts are missing, please contact the customer service department of Advanced Labelling Systems – 01202 683212

Separately purchased items may also be included, please check these items against your order or delivery note.

These additional items may include:

- Continuous Rolls, Die Cut Labels, Cable Markers
- Print Ribbon (this is usually fitted to your printer prior to dispatch).
- Memory module
- Cutter Unit (this is usually fitted to your printer prior to dispatch).
- Portable mini keyboard
- **Label**Station Industrial Symbols CD-ROM

1.3. Getting to Know your LabelStation

This section shows the various parts of the **Label**Station printer. We recommend that you familiarize yourself with these parts.

1.3.1. LabelStation Printer External View
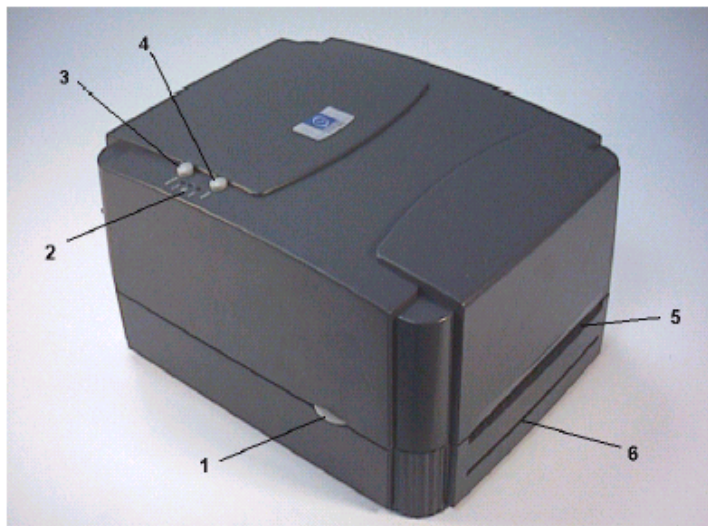
Figure 1. Top front view

1 - Cover Release Button – Press in both sides to release lid
2 - **PWR**., **ON-LINE** and **ERR** lights
> PWR. (POWER) Light
> The green **PWR.** light illuminates when the **POWER** switch is turned on.
>
> ON-LINE Light
> The green **ON-LINE** light illuminates when the printer is ready to print.
> When **PAUSE** button is pressed, the **ON-LINE** indicator flashes.
>
> ERR. Light (Error/Paper Empty)
> The red **ERR.** Light illuminates in the event of a printer error, such as memory error, syntax error, and so forth.
> *For a full list of error messages, please refer to section 5.2.2. Error Messages.*

3 - **PAUSE** Button
> The **PAUSE** button allows the user to stop a print job and then continue the printing with a second depression of the button.
> By pressing the **PAUSE** button: (1) the printer stops printing after the printing label, (2) the **PAUSE** LED flashes, and (3) the printer will hold all data in memory. This allows for trouble free replacement of label stock and thermal transfer ribbon. A second depression of the **PAUSE** button will restart the printer.
> Note: If the **PAUSE** button is held down for more than 3 seconds, the printer will be reset and all data of the previous printing job will be lost.

4 - **FEED** Button
> Press the **FEED** button to feed the label to the beginning of the next label.

5 - Label Dispense Opening
6 - Backing Paper Opening (for use with self-peeling function – *see Advanced Features 5.1*)

1.3.2.   **Label**Station **Printer Internal View**
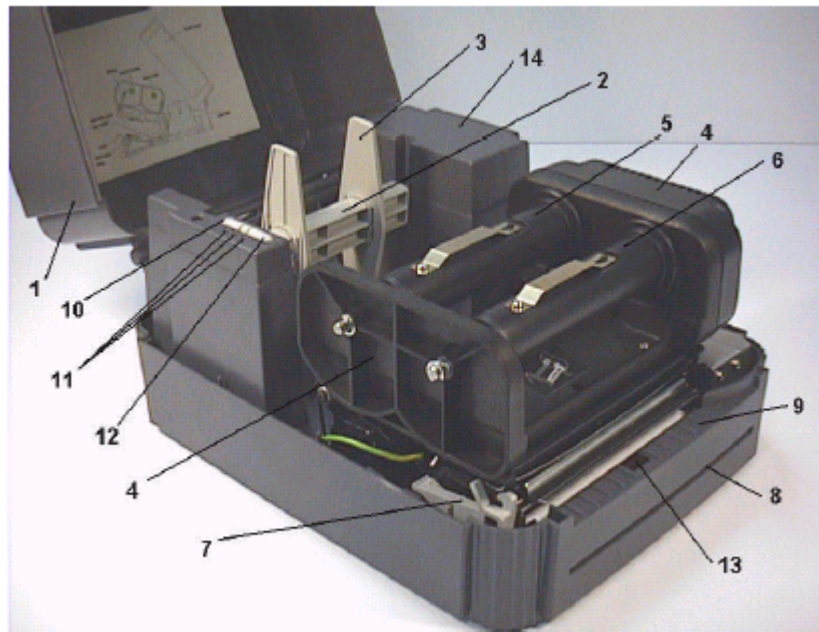
Figure 2. Interior view

1 - Printer Cover (in open position)
2 - Label Supply Roll Spindle
3 - Fixing Tabs
4 - Ribbon Mechanism
5 - Ribbon Supply Spindle
6 - Ribbon Rewind Spindle
7 - Printer Carriage Release Lever
8 - Backing Paper Opening
9 - Detachable Front Panel / Can be replaced with optional cutter
10 - PAUSE Button *(for more details see 1.3.1.* **Label***Station External View)*
11 - PWR., ON-LINE, ERR. Indicators *(for more details see 1.3.1.* **Label***Station External View)*
12 - FEED Button *(for more details see 1.3.1.* **Label***Station External View)*
13 - Peel-Off Sensor
14 - Memory Module Slot (with cover on)

1.3.3. LabelStation Printer External Rear View
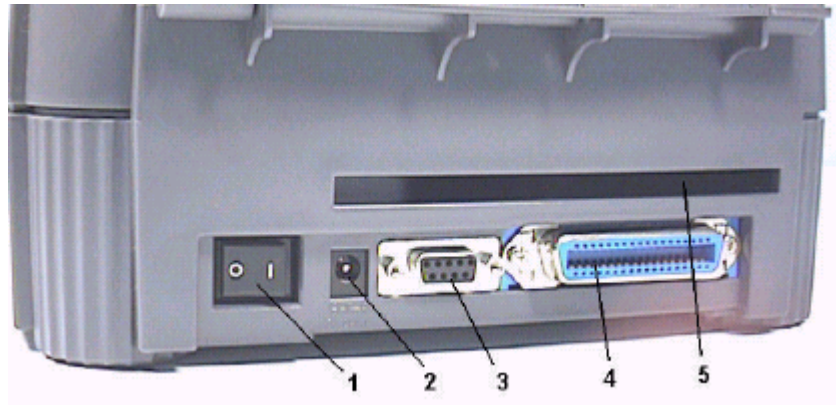
Figure 3. Rear view

1 - Power On/Off Switch
2 - Power Supply Connector
3 - RS-232 DB-9 Interface Connector
4 - Centronics (parallel) Interface Connector
5 - Label Insert Opening (for use with external labels)

1.3.4. LabelStation External Label Roll Mount

This is used when a larger diameter roll of labels or heat shrink tubing is being used (in excess of 100mm). The label mount sits behind the printer and the labels feed through a slot in the back of the printer.

Figure 4. External label roll mount

2. INSTALLING THE LABELSTATION SOFTWARE

2.1. Installation Requirements

The **Label**Station systems include a user-friendly design and print package called LabelView XLT+. This is a commercially available, well-proven package, which will help you get the best from your **Label**Station printer.

This set-up guide will help you install and configure the software in a minimum of time.

Note: The Quick Set-up Guide assumes the following: -

- • Your P.C. is running Windows 95/98/ME/NT/2000/XP.
- • C is your local hard disk.
- • D is your local CD drive.
- • LPT1 is your local parallel printer port.
- • You have approx. 30mb HD space free.
- • You have full network rights.

We currently do not support Apple Mac or Linux Operating Systems.

The **Label**Station system is not supported as a networkable product.

2.2. Installing the Software

- Place the **Label**Station Design & Print Software CD-ROM into your local CD drive **<D>**

- Click on your **START** button and choose **RUN**

- Click **BROWSE** select **<D>** (where this is your CD drive)

- Double click the folder named **LabelView 6.05XLT**

- Double click the folder named **LV6.05**

- Double click the folder named **Disk 1**

- Choose **Setup.exe**

- Click **OK**

- LabelViewXLT+ will start to load and display with a **"Welcome"** screen
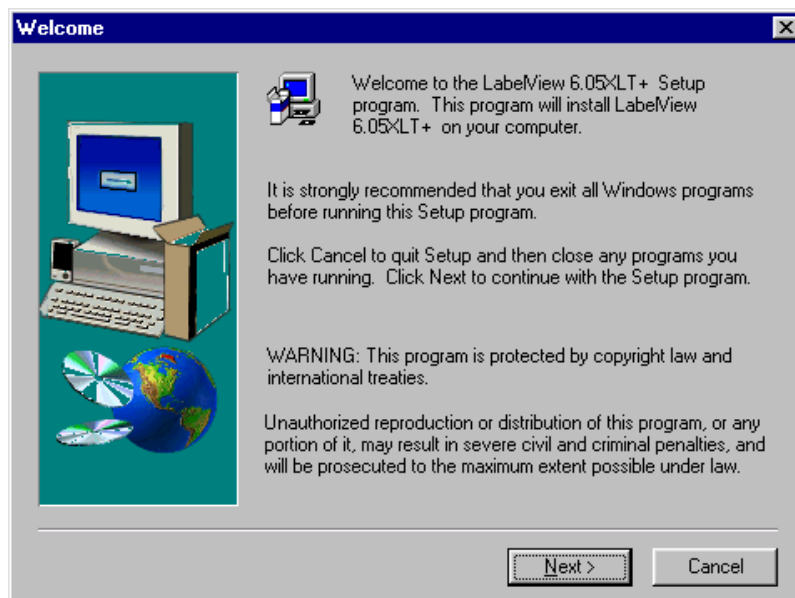
- Click **NEXT**

- Please read the licence information and choose – **YES** to continue

- The default directory for LabelViewXLT+ is **<c:\lvwin60>** we recommend that this is not changed

- Click **NEXT**

- Select **TYPICAL SETUP** (recommended) then click **NEXT**

- LabelViewXLT+ now sets up a default programme folder, click **NEXT** to accept (recommended)

- The software will start loading …
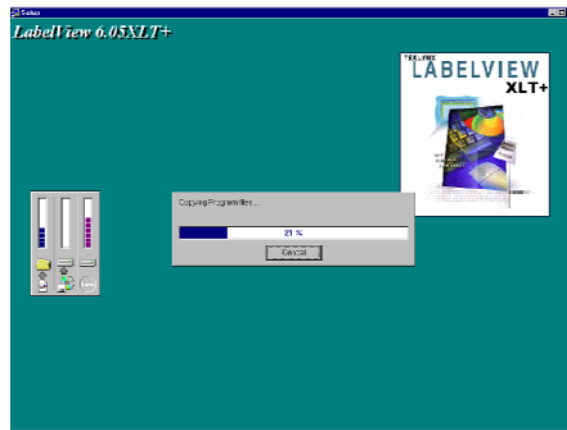
- When **INSTALL SUCCESSFUL** is displayed, click **FINISH**

IMPORTANT! Now that the software has installed you must run it to install the correct printer driver and change some default settings, it is <u>VITAL</u> that you follow the next section before printing with your new LabelStation system.

- Double click the LabelViewXLT+ icon on your desktop to run the software
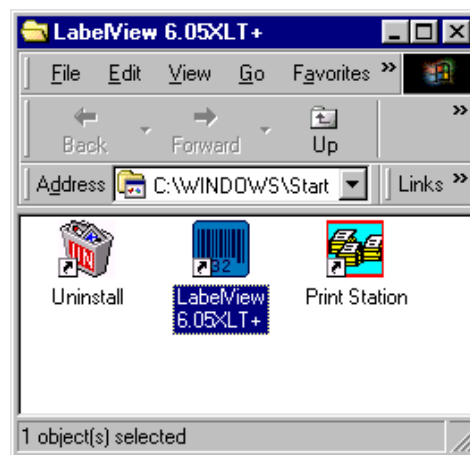
- You will now be asked to install the correct printer driver. From the list of printer drivers displayed in the lower box, scroll down until you find **TSC Clever TTP-342**
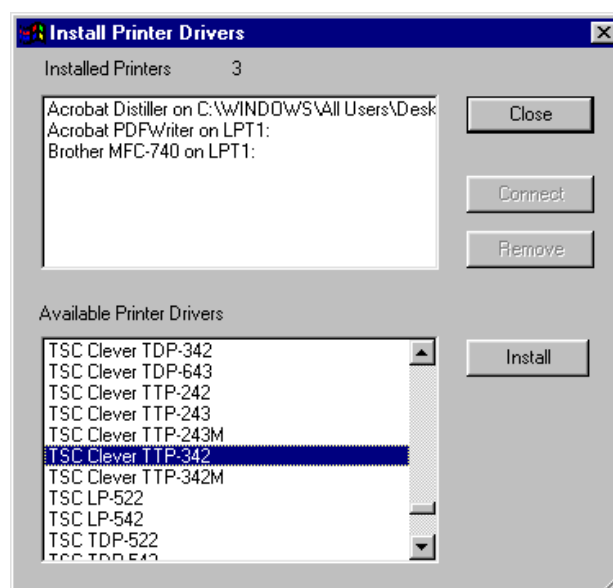
- Once you have selected the TSC Clever TTP-342 click **INSTALL**

- The printer driver will be installed on your computer and will appear in the top box with your other installed printer drivers (LPT1 being your default parallel printer port)
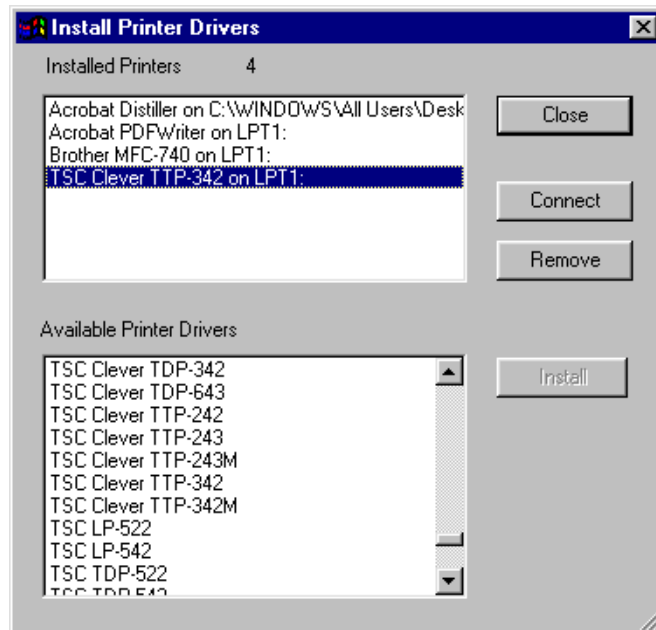
- Click **CLOSE** and LabelViewXLT+ will run for the first time.

CONGRATULATIONS – You have successfully installed the LabelViewXLT+ software.

We will now configure the software to help make printing quick and simple.

PLEASE NOTE
LABELVIEW AUTOMATICALLY INSTALLS ITS OWN PRINTER DRIVERS.
THEY ARE UNIQUE TO LABELVIEW AND WILL <u>NOT</u> RUN ANY OTHER SOFTWARE PACKAGE.

IF YOU WISH TO USE YOUR LABELSTATION WITH ANY OTHER SOFTWARE, YOU WILL NEED TO INSTALL THE WINDOWS DRIVERS THAT ARE ON YOUR INSTALLATION CD ROM. See Chapter 4.4.

2.3. Software Configuration

• Select **FILE** and from the drop down menu choose **SELECT PRINTER** ensure that the **TSC Clever TTP-342** is selected.

Select Printer ×

Printer [TSC Clever TTP-342 on LPT1: ▼]

[OK] [Cancel] [Install]
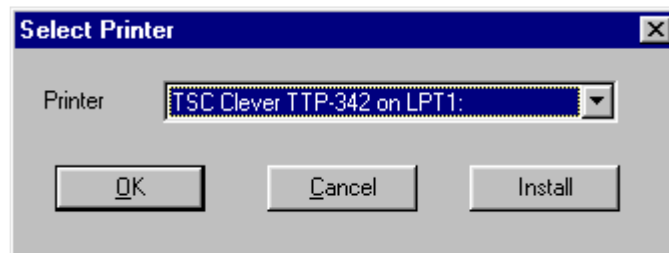
The next step is to set the page rulers to mm (default is inches). It is important to do this as all Label Station **supplies are in millimetres rather than inches**

• Choose **OPTIONS** from the top bar, then choose **CONFIGURATION** from the drop down menu

Configuration ×

General | Printing Options | Click Print | Display

Language [English ▼]

Units [inches ▼]
　　　　　inches
Grid 　　mm　　　　Show Grid

○ Show Large Icons　　Ruler Text Color [■ ▼]

◉ Show Small Icons　　Ruler Background Color [▼]

☐ Flat

[OK] [Cancel] [Help]
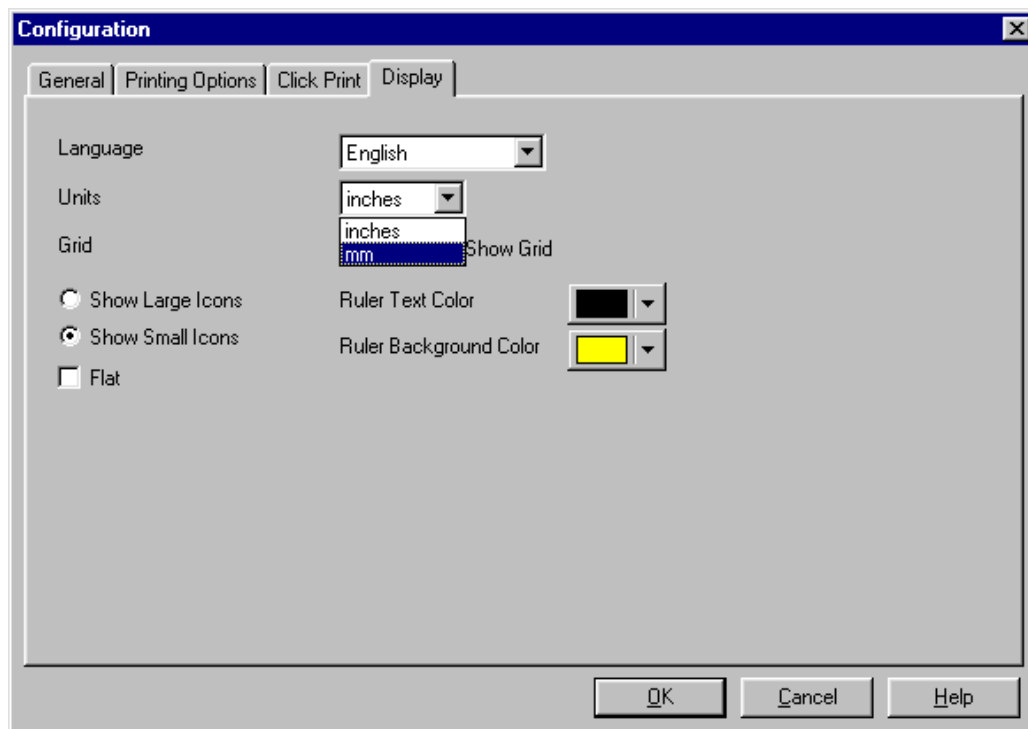
• Choose the fourth tab along **DISPLAY**, click the **UNITS** box, select mm, click **OK**

• **LABELVIEW XLT+** is now ready to use. We strongly recommend that you spend some time reading the **"QUICK GUIDE TO LABEL DESIGN & PRINTING"** section that follows further on in this manual.

2.4. Technical Support & Trouble Shooting

Our technical support is free and your sales contact will be pleased to help if you need assistance with your printer or software.

Tech Support Line 01202 683212

We recommend that all new users read the **QUICK GUIDE TO LABEL DESIGN & PRINTING** as many of the support calls made by new users relate to topics covered in this guide.

Before you call for support please check the following: -

- Your print ribbon is installed correctly.
- Your label media is fed correctly (**under** the green sensor).
- Your PC is running Windows 95/98/ME/NT/2000/XP
- Your printer is connected to your LPT1 (or other local parallel port).
- You are using the power supply that came with **Label**Station printer.
- The printer is switched on.
- You have the correct printer driver selected.

3. CONNECTING YOUR LABELSTATION

3.1. LabelStation to PC Connection.

- Place the printer on a flat, secure surface.
- Make sure the **POWER** switch is off.
- Connect the printer to the P.C. parallel port (LPT1) using the cable supplied.
- Plug the power cord into the power supply connector at the rear of the printer.

3.1.1. LabelStation Printer External Rear View
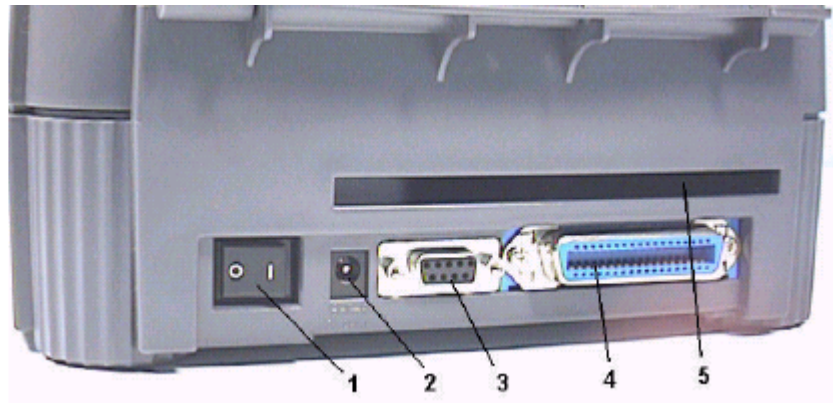

Figure 5. Rear view of **Label**Station Printer

1 - Power On/Off Switch
2 - Power Supply Connector
3 - RS-232 DB-9 Interface Connector
4 - Centronics Interface Connector
5 - Label Insert Opening (for use with external labels)

3.2.   Loading Die Cut Labels (including Wire Markers)

- Turn off the printer and open the printer cover
- Disengage the printer carriage by pulling the grey printer carriage release lever on the left side of the platen *(see figure 6)*.
- Slide the label supply roll spindle through the core of a label roll and attach the fixing tabs onto the spindle.
- Place the label roll into the label roll mount. Feed the label under the carriage and over the platen *(see figure 7).*

NOTE - ENSURE THAT THE LABEL MEDIA IS UNDERNEATH THE GREEN SENSOR

- Adjust the label guide to fit the width of the media (do not close too tightly).
- Engage the printer carriage; ensure both sides are locked down.
- Wind the label roll on until it becomes adequately taut.

If you are loading a new size of die cut label we recommend re-calibrating the gap sensor as below: -

This utility is used to calibrate the sensitivity of gap sensor.

Users may have to calibrate the gap sensor for two reasons:
- The media is being changed to a new type.
- Initialize the printer.

Note: The ERR. LED may flash if gap sensor is not calibrated properly.

Please follow the steps below to calibrate gap sensor:
- Turn off the printer power and install blank labels (without any logo or character) on printer.
- Hold down the **PAUSE** button then turn on printer power.
- Release **PAUSE** button when the printer feeds labels.
- When the printer stops and two green lights are on, the printer is now ready to print

- When the printer is out of ribbon or media, the **ON-LINE** light will not illuminate and the **ERR.** light will flash.
- Reload the ribbon or media without turning off the printer power.

3.2.1. Installing label supply roll into LabelStation Printer

Figure 6. Inserting label supply roll into label roll mount

1 - Label Supply Roll Spindle
2 - Label Roll Mount
3 - Label Roll
4 - Fixing Tabs

3.2.2. Feeding Labels through the LabelStation feed guides
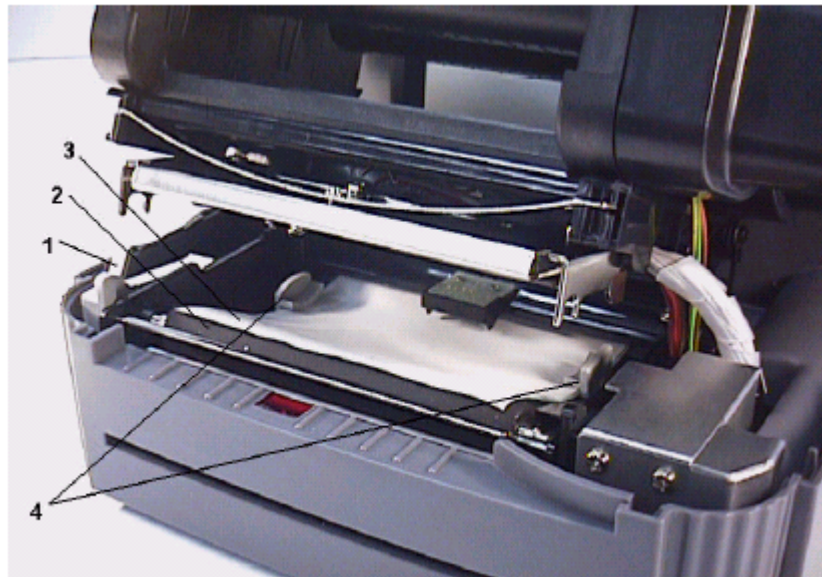
Figure 7. Feed labels through adjustable label guide

1 - Printer Carriage Release Lever
2 - Platen
3 - Label Media
4 - Adjustable Label Guide

3.3. Loading Continuous Rolls (including Heatshrink Tubing)

- Turn the printer off and open the printer cover
- Disengage the printer carriage by pulling the grey printer carriage release lever on the left side of the platen *(see figure 8)*.
- Slide the label supply roll spindle through the core of a label roll and attach the fixing tabs onto the spindle.
- Place the label roll into the label roll mount. Feed the label under the carriage and over the platen *(see figure 9).*

NOTE - ENSURE THAT THE LABEL MEDIA IS UNDERNEATH THE GREEN SENSOR

- Adjust the label guide to fit the width of the media (do not close to tightly).
- Engage the printer carriage; ensure both sides are locked down.
- Wind the label roll until it becomes adequately taut.
- Turn the printer on and the **PWR.** & **ON-LINE** Light will illuminate.

- When the printer is out of ribbon or media, the **ON-LINE** LED will not illuminate and the **ERR.** LED will flash.
- Reload the ribbon or media without turning off the printer power.

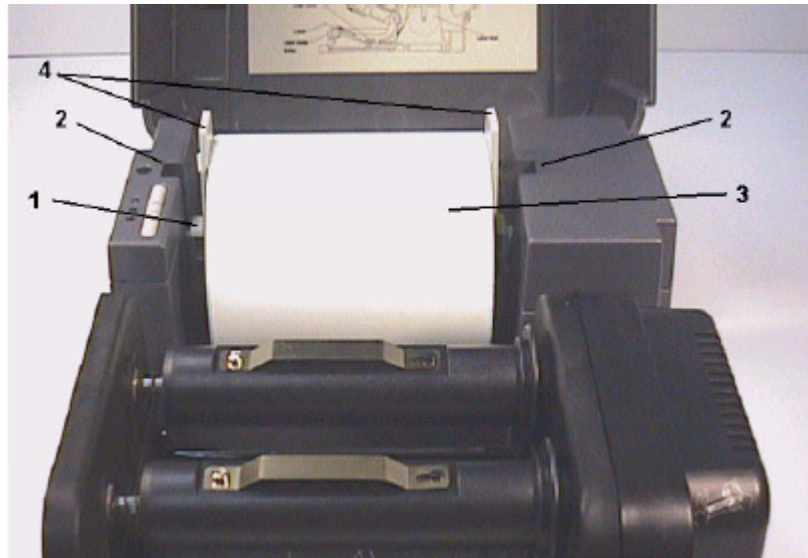### 3.3.1. Installing the supply roll into LabelStation Printer

1 - Label Supply Roll Spindle
2 - Label Roll Mount
3 - Label Roll
4 - Fixing Tabs
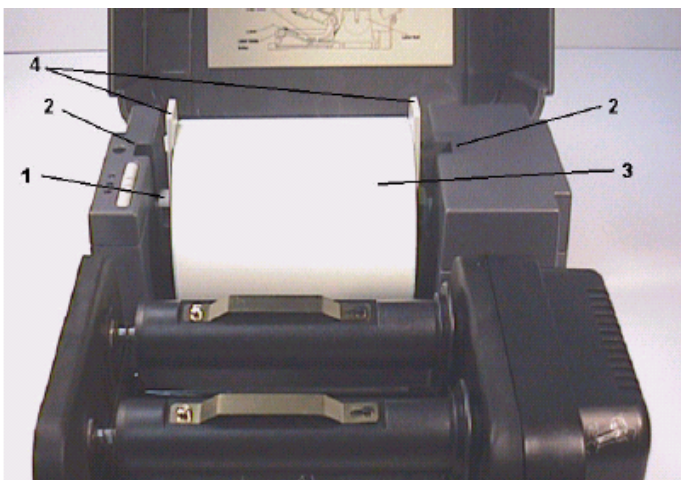
Figure 8. Inserting label supply roll into label roll mount

3.3.2. Feeding continuous material through the LabelStation feed guides

1 - Printer Carriage Release Lever
2 - Platen
3 - Label Media
4 - Adjustable Label Guide
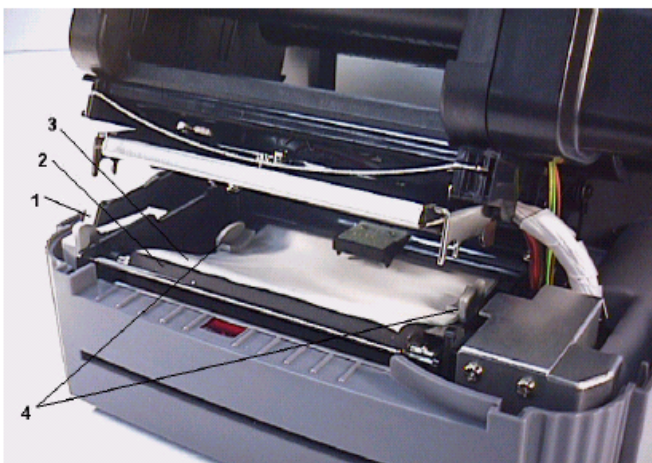
Figure 9. Feed material through adjustable label guide

3.4. Loading Print Ribbons

- Place an empty paper core on the ribbon rewind spindle.
- Install the ribbon on the ribbon supply spindle.
- Disengage the printer carriage.
- Pull the ribbon leader to the front from beneath the printer carriage. Attach the ribbon leader to the ribbon rewind paper core.
- Rotate the ribbon rewind roller until the roller is thoroughly covered by the black section of the ribbon.
- Engage the printer carriage.

3.4.1. Installing the Print Ribbon into the LabelStation printer.

Figure 10. Placement of ribbon supply roll

1 - Printer Carriage Release Lever
2 - Ribbon Supply Spindle
3 - Ribbon Rewind Spindle
4 - Thermal Transfer Ribbon

3.4.2. The LabelStation printer with the ribbon installed correctly.
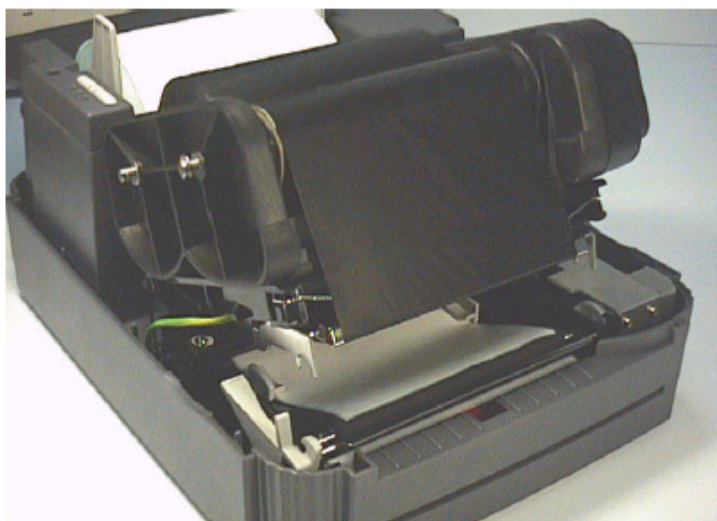
Figure 11. Installation of label stock and print ribbon

4. DESIGNING & PRINTING

4.1. Introduction

The LabelViewXLT+ software is very easy to use and is similar in operation to most other Windows based programmes.

NOTE: This quick guide is <u>not</u> a LabelViewXLT+ user manual, it is designed to help you get up and running in the minimum of time.

A full LabelView XLT+ user guide is found by running the software and pressing F1 or HELP > HELP. We recommend that you become familiar with the user guide.

There are a few very important points that you will need to know about when using LabelViewXLT+ to design and print label, signs and stickers. This Quick Guide aims to cover these as simply as possible.

Software set-up is critical, it is very important that when designing your label you must set certain parameters so that the software can give the correct information to the printer. This falls into three main areas: -

·   **Type of media being used in the Label**Station **Printer**
    You must tell the software what type of media you are using – it could be die cut labels which use a 3mm vertical gap between each one, or it may be a roll of continuous material for signs & stickers.

·   **Label size**
    The printer needs to know the label size for obvious reasons!

·   **Cutter settings (only applies if this optional item is installed on your printer)**
    If you have ordered the optional label cutter, you will need to tell the printer when to cut the labels. Your choice is after each label has been printed, at the end of the print run or never.

IMPORTANT NOTE: If your set-up is incorrect, your labels will not print or your **Label**Station printer will error.

PRINTING FROM WINDOWS SOFTWARE

The LabelStation will print from most Windows Software.

You will need to install the Windows drivers as the printer drivers for LabelView are unique to LabelView and will not work with any other software.

Please refer to Chapter 4.4 for instructions.

4.2.   Printing Die Cut Labels

Setting up LabelView XLT+ to print **DIE CUT** labels on a roll - The following guide illustrates the steps to creating a brand new label design. This is a model for all die cut labels (including self-laminating wire markers).

NOTE: We will assume that the label size being used is 50mm x 25mm

- Check that the correct printer is selected, choose **FILE** then **SELECT PRINTER**, which should display the **TSC Clever TTP-342**

- Choose **FILE** and then **NEW** the Label Set-up box will be displayed
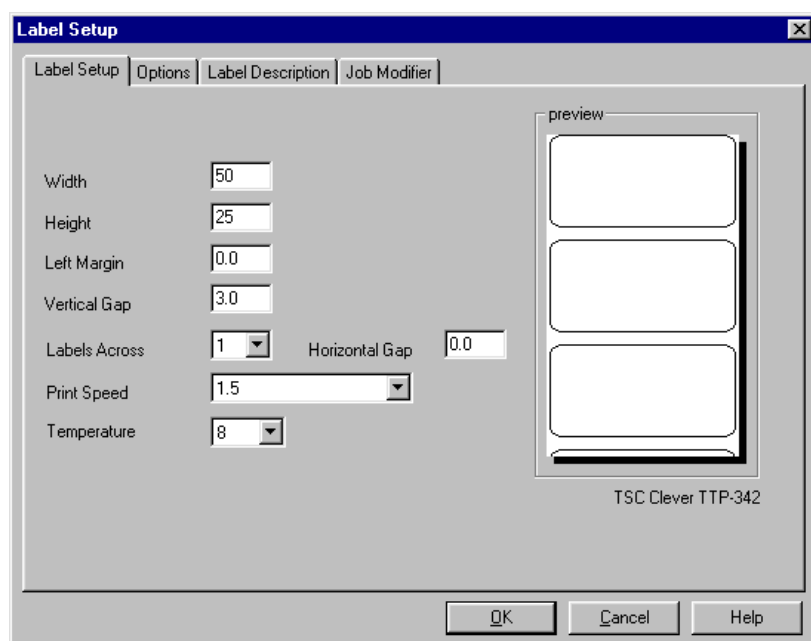
- Enter label Width as 50mm
- Enter label Height as 25mm
- Left Margin is not required
- Vertical Gap is 3mm (between labels)
- Labels Across is 1
- Horizontal Gap is 0

Print Speed - The speed at which the label is printed. Reducing the Print Speed will usually increase the print quality. Both print speed and temperature determine print quality.

Temperature - The temperature at which the label is printed. Increasing the Temperature will make the printing darker, but can cause a blotchy appearance around the printed images.

Different label materials require different speed & temp settings adjust at the time of printing for best results.

- You must now select the **OPTIONS** tab

- Print Rotation – Leave as normal
- Label Offset – 0.0
- Sensor type – Vertical Gap (must be selected when using die cut labels on a roll, the printer uses this instruction to register the start/stop point of the labels)
- Cut - Set to **Don't Cut** if you have no cutter assembly on your printer
  - Set to **At End Of Batch** if you want each print job to be cut off at the end of the print run
  - Set to **At Fixed Interval** if you want to cut off a fixed number of labels from the print run

Other options on this screen can be disregarded.

Now click **OK** to return to your label design screen – you can now add text, barcodes, graphics etc to your labels.

PLEASE NOTE:
IF YOUR LABELS HAVE A BLACK MARK ON THE REVERSE OF THE LABEL - YOU NEED TO CHANGE THE SENSOR TYPE TO BLACK MARK.   MAKE SURE YOU SET THE LABEL SIZE TO THE MEASUREMENT BETWEEN THE TWO BLACK MARKS ON THE LABEL REVERSE AND THE GAP AS THE WIDTH OF THE BLACK MARK.
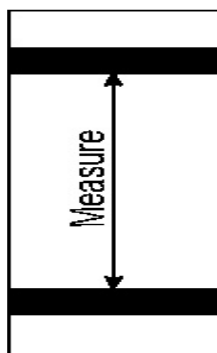
4.3. Printing using Continuous Rolls

Setting up LabelView to print on **CONTINUOUS ROLLS**. - The following guide illustrates the steps to creating a brand new label design. This is a model for all continuous rolls of label media (including heat shrink tubing).

NOTE: We will assume that the desired sign/sticker size is 100mm x 200mm

•	Check that the correct printer is selected, choose **FILE** then **SELECT PRINTER** which should display the **TSC Clever TTP-342**

•	Choose **FILE** and then **NEW**, the Label Set-up box will be displayed
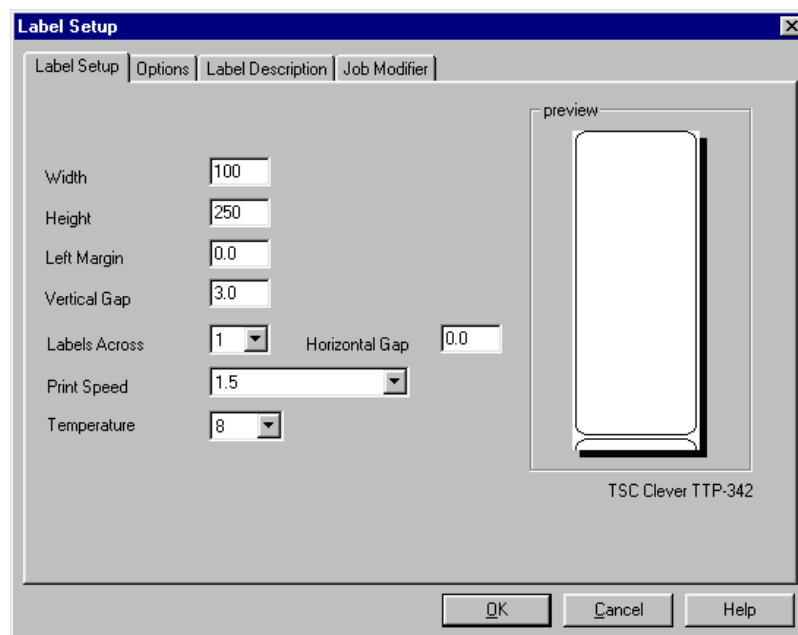
•	Enter label Width as 100mm
•	Enter label Height as 250mm
•	Left Margin is not required
•	Vertical Gap is 3mm (this will be blanked out when you amend the sensor type in the OPTIONS tab)
•	Labels Across is 1
•	Horizontal Gap is 0

Print Speed - The speed at which the label is printed. Reducing the Print Speed will usually increase the print quality. Both print speed and temperature determine print quality.

Temperature - The temperature at which the label is printed. Increasing the Temperature will make the printing darker, but can cause a blotchy appearance around the printed images.

Different label materials require different speed & temp settings adjust at the time of printing for best results

• You must now select the **OPTIONS** tab

• Print Rotation – Leave as normal
• Label Offset – 0.0
• Sensor type – **CONTINUOUS** – *This option is **critical and must be selected** when using continuous rolls. This stops the printer looking for a gap in the media. If this is not correctly selected the printer will error.*
• Cut - Set to **Don't Cut** if you have <u>no cutter</u> assembly on your printer
    • Set to **At End Of Batch** if you want each print job to be cut off at the end of the print run
    • Set to **At Fixed Interval** if you want to cut off a fixed number of labels from the print run

Other options on this screen can be disregarded.

• Now click **OK** to return to your label design screen – you can now add text, barcodes, graphics etc to your labels.

IMPORTANT NOTE: When using a continuous roll of media and displaying a long label on screen you will find it useful to rotate the page from a portrait layout to a landscape layout. This will make designing and adding information to your design easier.

To rotate your page on screen click the yellow box with the black arrow in the top left corner of the screen where the rulers meet. Each click will rotate the page through 90 degrees.

4.4. Printing Horticultural Label Supplies

There are some special rules to remember when printing horticultural supplies. We have supplied a copy of all our sample templates on your **LabelStation** Design & Print Software CD-ROM in a file called **HORTICULTURAL LABEL TEMPLATES**.

- To open them, simply open the **LabelViewXLT+** software on your computer

- Go to **FILE** and **OPEN**
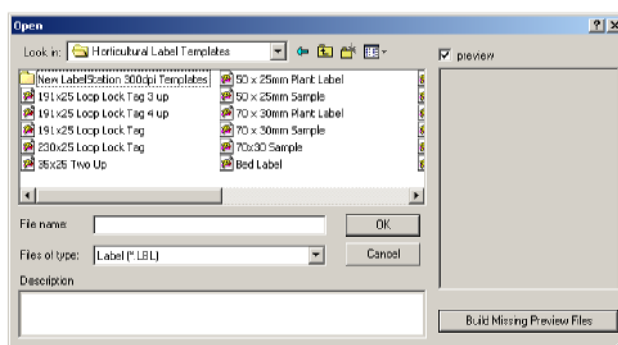
- Where it says **LOOK IN** select the drop down box and choose **<D>** (where this is your CD drive)

- Double click the folder named **Horticultural Label Templates**

- Then select the template you wish to use.

REMEMBER when using plant tags the sensors need to be set up in the following ways:

Lock Loop Labels	**-**	**Die Cut Labels – Chapter 4.2**
Stick in Tags	**-**	**Die Cut Labels – Chapter 4.2**
Vinyl Pot Labels	**-**	**Die Cut Labels – Chapter 4.2**
Continuous Bed Vinyl	**-**	**Continuous – Chapter 4.3**
Swing Tags	**-**	**Die Cut Labels – Chapter 4.2**

Our technical support is free and your sales contact will be pleased to help if you need assistance with your printer or software.

Tech Support Line 01202 683212

4.5. Printing from Windows Software

- Place the **Label**Station Design & Print Software CD-ROM into your local CD drive **<D>**

- Click on your **START** button and choose **RUN**

- Click **BROWSE** select **<D>** (where this is your CD drive)

- Double click the folder named **Extra Drivers**

- Choose **TSC_6.8.3**

- Click **OK**

- The Windows drivers will start to load and display with a **"Licence Agreement"** screen
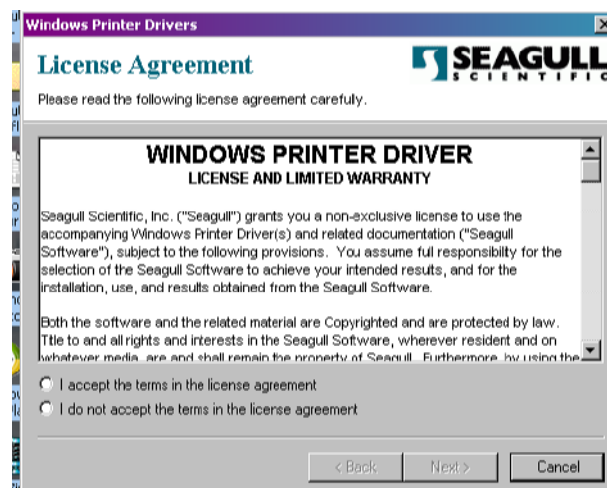
- Please read the licence information and choose – **I accept the terms .....** to continue.

- Click Next
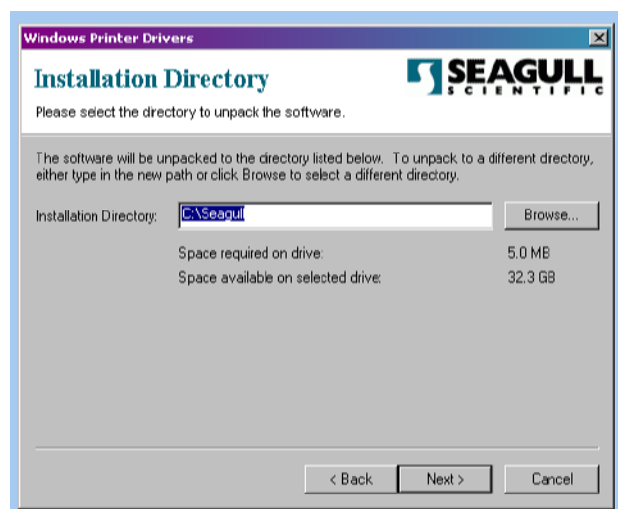
- The default directory for the drivers are **<c:\Seagull>** we recommend that this is **not** changed

- Click **NEXT**
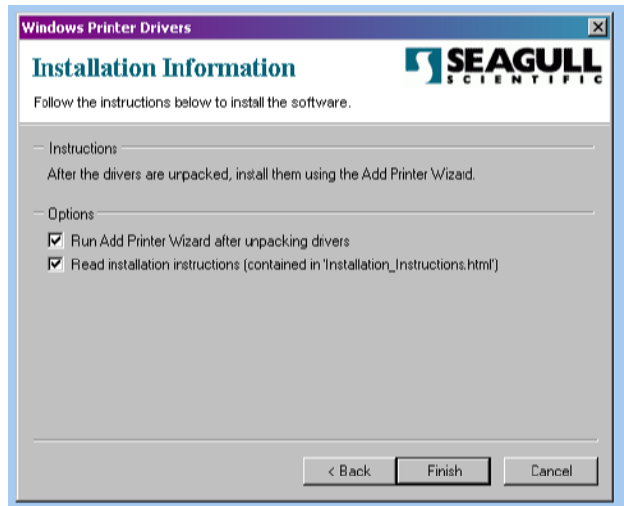
- Ensure that both the **Options** are ticked and then click **FINISH**

- The drivers will start loading ...

- When this is complete Microsoft Internet Explorer will open with a document called **'Installing Windows Printer Drivers'.**

- Click on your **START** button and choose **SETTINGS** and **PRINTERS.**
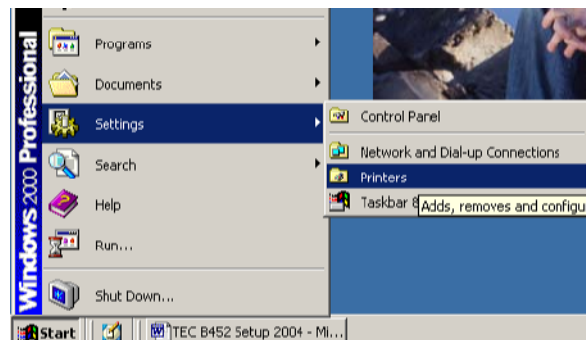
- This will produce the Printers Window and you can select **ADD PRINTER**.
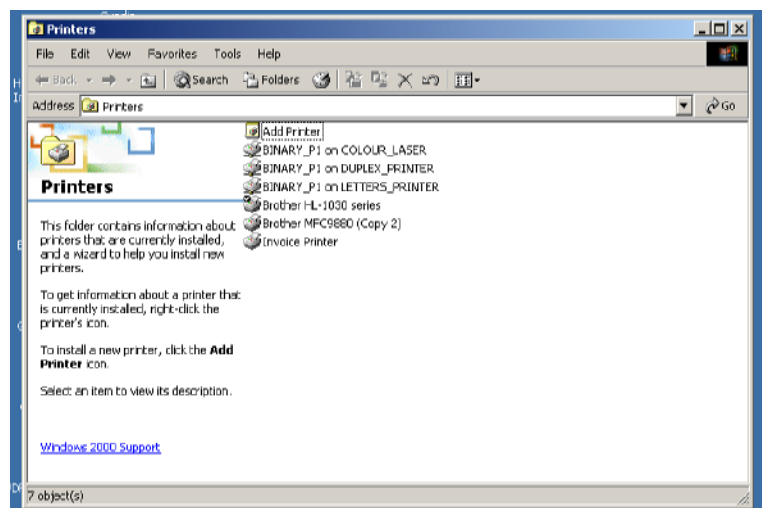
- This will open your Printer Wizard.

- On each page of the wizard, answer the questions and press **NEXT**. The pages that appear will vary depending on your version of Windows and how you answer the questions. Eventually you will reach a page containing a Have Disk button.

- Click **Have Disk** and, when prompted, enter the disk drive and directory path to your printer driver files **C:\Seagull** (NT 4.0 users must instead enter the NT4 subdirectory of the extracted directory, typically **C:\Seagull\NT4**.)
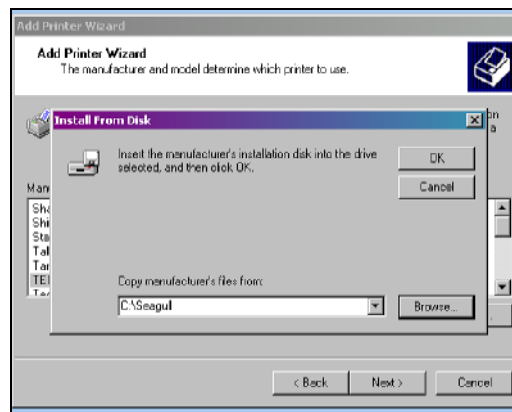
- Click **OK**

- Now you will need to choose your printer – the **Label**Station is a **TSC TTP-342M.**
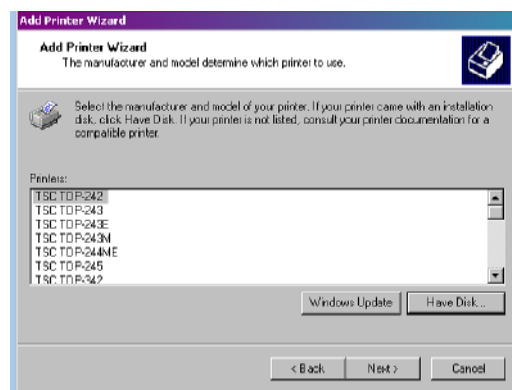
PLEASE NOTE IF YOU SELECT THE WRONG PRINTER NAME – THE LABELSTATION WILL NOT WORK.

- Continue with the Add Printer wizard, except for the test page procedure.

- Select **No** when asked if you want to print a test page. (Since the Windows test page procedure assumes you have a laser, ink-jet, or dot matrix printer that can print out a full page, it is very unlikely that you will be able to properly print it to your thermal label printer.)

- Now click **FINISH**.

Your Windows Drivers are installed – you may need to go into the drivers to configure them for your specific needs.

- Click on your **START** button and choose **SETTINGS** and **PRINTERS**.
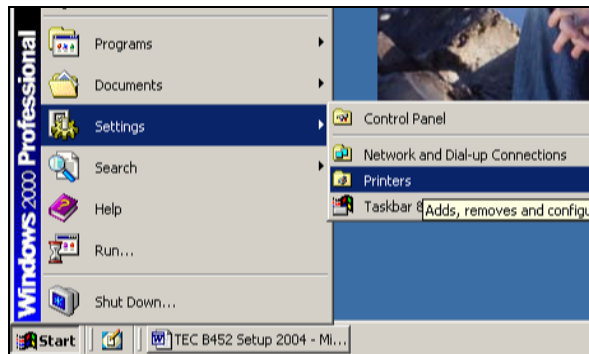
- In the **Printers** folder - **Right Click** the mouse on the **TSC TTP-342M** icon and select **Properties.**
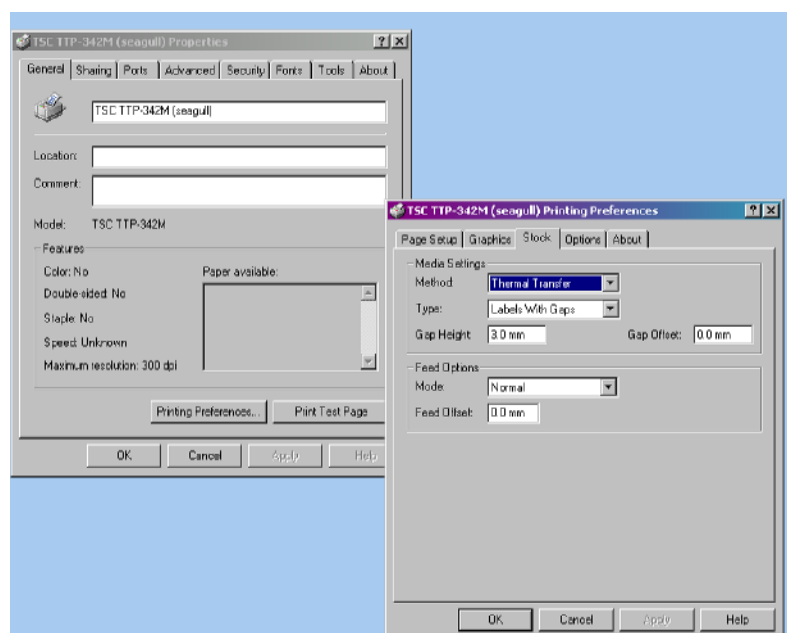
- Select the **GENERAL** tab – then click on **PRINTING PREFERENCES** and then select the **STOCK** tab – you will need to make sure the Method is set to **Thermal Transfer**. The type will depend on the material you are printing onto and this is also where you would set the cutter if you have one.

You are now ready to print from your Windows Software – remember you need to match your page size to your label size.

5. LABELSTATION SPECIFICATIONS

5.1. Advanced Features

5.1.1.   External Label Roll Mount
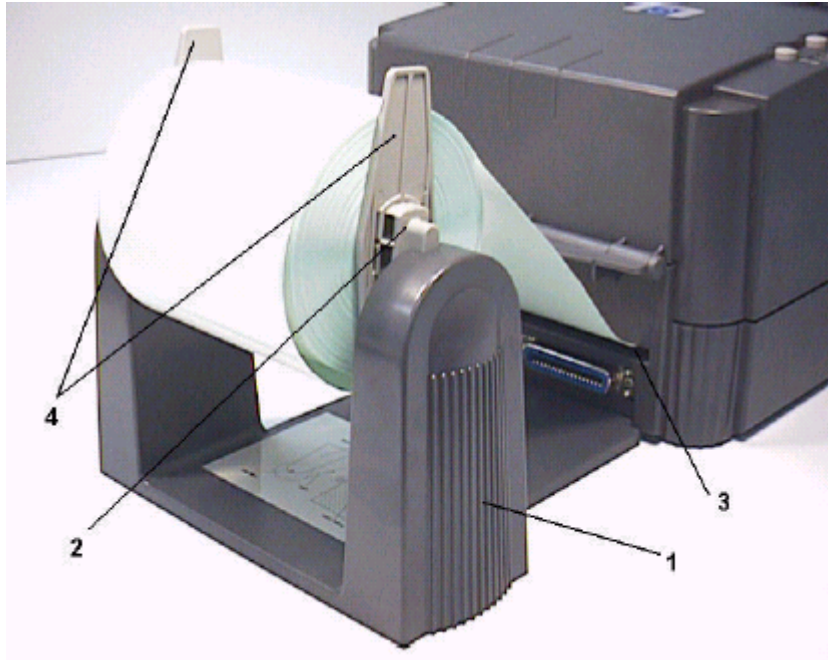
Figure 12. Installation of external label roll mount

1 - External Label Roll Mount
2 - Label Supply Roll Spindle
3 - External Label Feed Opening
4 - Fixing Tabs

5.1.2. Self-Peeling Function

The self-peeling function takes the backing off the label and presents it ready for application.

To employ the self-peeling function, load the label stock according to the following steps.
- Remove the front panel.
- Tear off the foremost one or two labels of the label stock, as befits the case.
- Feed the backing paper between the platen and the white "self-peeling" roller, *as shown in Figure 13.*
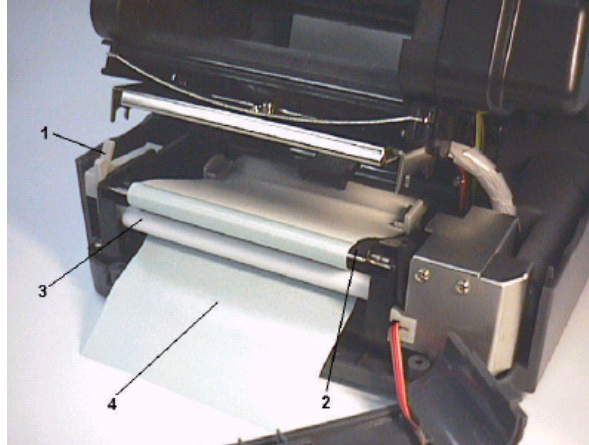
Figure 13. Setting up printer for self-peeling function

1 - Printer Carriage Release Lever
2 - Platen
3 - Self-Peeling Roller
4 - Backing Paper

- Feed the backing paper through the backing paper opening in the front panel, *as shown in Figure 14.*
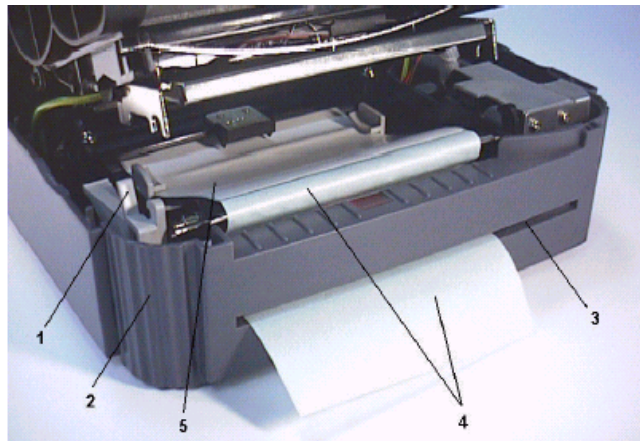
Figure 14. Printer ready for self-peeling function

1 - Printer Carriage Release Lever
2 - Printer Front Panel
3 - Backing Paper Opening
4 - Backing Paper
5 - Label

- Replace the front panel.

Note: *It is recommended that the print speed be set at 1.5 inches per second when using the self-peeling function of the* **Label**Station.

5.1.3. Install Memory Module

When using the remote mini keyboard you may require extra memory in the **Label**Station printer to allow the storage of more label designs or larger & more complex labels.

- Power off the printer.
- Remove the cover.
- Insert the memory module.
- Put the cover back.
- Turn on the power
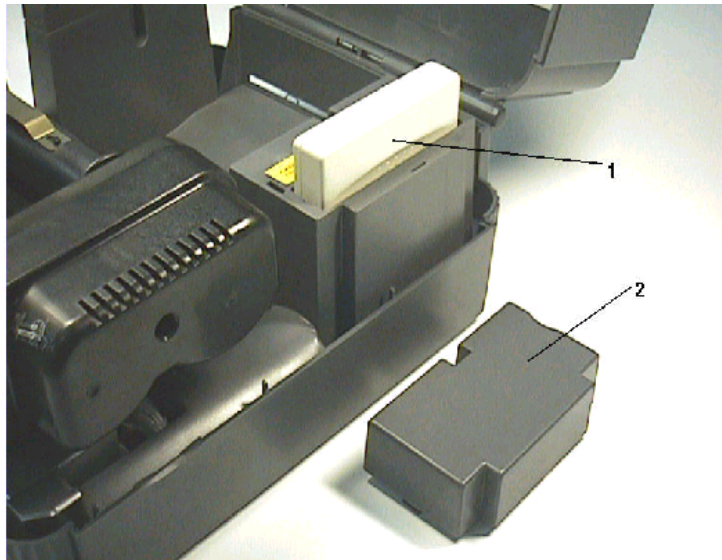
Figure 15. Installation of memory module

1 - Memory Module
2 - Cover.

5.2. TROUBLESHOOTING

5.2.1. Troubleshooting Guide

The following guide lists some of the most common problems that may be encountered when operating the **Label**Station printer.

If the printer still does not function after all suggested solutions have been invoked, please contact Advanced Labelling Systems on 01202 683212.

Emailed requests for support should be directed to info@labelstation.co.uk

Problem -   Ribbon does not advance or rewind
Solution -   Check print head is locked down fully.
                 Check that ribbon is securely attached to the ribbon take-up spool.

Problem -   Poor print quality
Solution -   Clean the thermal print head.
                 Check ribbon is fitted correctly.
                 Adjust the print density setting.
                 Ribbon and media are not compatible.

Problem -   Power indicator does not illuminate
Solution -   Check the power cord, see whether it is properly connected.

Problem -   ON-LINE indicator is off
Solution -   Out of paper or out of ribbon
                 Calibrate the sensitivity of gap sensor – see section 3.2.

Problem -   ERR. Light is on
Solution -   Wrong sensor type selected in software
                 Wrong media installed in printer
                 Rewind ribbon paper core is not installed
                 Problem with your label design

Problem -   Continuous feeding when printing labels
Solution -   Calibrate the gap sensor – see section 3.2.
                 Wrong media being used
                 Wrong sensor type selected in software

Our technical support is available to you during working hours, please to call with any problems you may have.   Tech Support Line – 01202 683212

5.2.2.   Error Messages

Syntax Error
- The command format is incorrect.
- The serial port setting is incorrect.

Out of Range
- Numeric input is too large to be processed.
- The input string is too long to be stored.
- The size of the text or bar code exceeds that of the label.

Download Error
- The download file format is incorrect.
- There is not enough memory to store the file.

Stack Overflow
- A mathematical expression is too complicated. Divide it into several expressions.
- The nested routine is too deep.

Memory Error
- Too many variables defined.

RS-232 Error
- The serial port setting is incorrect.

File Not Found
- Cannot open the file specified. Download the file again.

Type Mismatch
- Variable type mismatch.

Gap Not Found
- Cannot detect label gap. Calibrate the label again.

Clock Access Error
- Cannot read from / write to the real time clock.

5.2.3. Power-on Utilities

There are three power-on utilities to set up and test **Label**Station hardware. Pressing the **FEED** or **PAUSE** button and turning on the printer power simultaneously activates these utilities.

The utilities are listed as below:
- Self-test
- Gap sensor calibration
- Printer initialization

Self-Test Utility

To initiate the self test mode,
- Install the label first.
- Depress the **FEED** button while turning on the printer power. The printer will calibrate the label length. If the label gap is not detected within 7", the printer stops feeding labels and the media is treated as continuous paper. In self-test, a check pattern is used to check the performance of the thermal print head.
- Do not release the **FEED** button until the printer feeds labels.

The printer performs the following items:
- Calibrate label pitch
- Print out thermal print head check pattern
- Print out the internal settings
- Enter dump mode

Following the check pattern, the printer prints internal settings as listed below:

- Printer model and firmware version
- Mileage
- Flash times
- Check sum
- Serial port setting
- Code page setting
- Country code setting
- Print speed setting
- Print density setting
- Label size setting
- Gap (Bline) width and offset setting
- Backing paper transparence
- File list
- Memory available

When the self-test is completed, the printer enters the dump mode. Please turn the printer's power off and then on to resume normal printing.

Dump Mode

After the self-test, the printer enters the dump mode. In this mode, any characters sent from the host computer will be printed in two columns, as shown.

```
***************************
NOW IN DUMP MODE

DOWNLOAD "DE    44 4F 57 4E 4C 4F 41 44 20 22 44 45
MO2.BAS"  SI    4D 4F 32 2E 42 41 53 22 0D 0A 53 49
ZE 4.00,5.00    5A 45 20 34 2E 30 30 2C 35 2E 30 30
  CLS   SPEED   0D 0A 43 4C 53 0D 0A 53 50 45 45 44
  1.5   DENSIT  20 31 2E 35 0D 0A 44 45 4E 53 49 54
Y 10   DIRECT   59 20 31 30 0D 0A 44 49 52 45 43 54
ION 0   SET C   49 4F 4E 20 30 0D 0A 53 45 54 20 43
UTTER OFF   S   55 54 54 45 52 20 4F 46 46 0D 0A 53
ET DEBUG LAB    45 54 20 44 45 42 55 47 20 4C 41 42
EL   REFERENC   45 4C 0D 0A 52 45 46 45 52 45 4E 43
E 0,0   A=100   45 20 30 2C 30 0D 0A 41 3D 31 30 30
0   Y=100   FO  30 0D 0A 59 3D 31 30 30 0D 0A 46 4F
R I=1 TO 3      52 20 49 3D 31 20 54 4F 20 33 0D 0A
BARCODE 100,    42 41 52 43 4F 44 45 20 31 30 30 2C
Y,"39",96,1,    59 2C 22 33 39 22 2C 39 36 2C 31 2C
0,2,4,STR$(A    30 2C 32 2C 34 2C 53 54 52 24 28 41
)  A=A+1   Y=   29 0D 0A 41 3D 41 2B 31 0D 0A 59 3D
Y+150   NEXT    59 2B 31 35 30 0D 0A 4E 45 58 54 0D
 PRINT 1   EO   0A 50 52 49 4E 54 20 31 0D 0A 45 4F
P  DEMO2        50 0D 0A 44 45 4D 4F 32 0D 0A
```

The characters received will be shown in the first column, and their corresponding hexadecimal values, in the second. This is often helpful to users for the verification of programming commands or debugging of printer programs.

- Reset the printer by turning the **POWER** switch off and on.

Gap Sensor Calibration Utility

This utility is used to calibrate the sensitivity of gap sensor.

Users may have to calibrate the gap sensor for two reasons:
- The media is being changed to a new type.
- Initialize the printer.

Note: The ERR. LED may flash if gap sensor is not calibrated properly.

Please follow the steps below to calibrate gap sensor:
- Turn off the printer power and install blank labels (without any logo or character) on printer.
- Hold down the **PAUSE** button then turn on printer power.
- Release **PAUSE** button when the printer feeds labels.
- When the printer stops and two green LED's light are on, the printer is now ready to print

Printer Initialization

Printer initialization clears all downloaded files resident in flash memory, and sets printer parameters to default values.

Parameter Default Values
- MILEAGE Automatic
- FLASH TIMES Automatic
- CHECK SUM Automatic
- SERIAL PORT 96,N, 8,1
- CODE PAGE 437 (8 bit), USA (7 bit)
- COUNTRY CODE 001
- SPEED 2.0"/sec
- DENSITY 09
- SIZE 4, 2.5"
- GAP (BLINE) 0.12, 0
- TRANSPARANCY 05,05,05

Please follow the steps below to initialize the printer:
- Turn off the printer power.
- Hold down the **PAUSE** and **FEED** buttons and turn on the printer power.
- Do not release the buttons until the three lights flash in turn.

Note: When printer initialization is done, please calibrate the gap sensor again – see above

5.3. SPECIFICATIONS AND WARRANTIES

5.3.1. Specifications

Printer

Type:	Thermal transfer printing only
Print speed:	Selectable speeds of 1, 1.5 or 2.0 inches per second
Resolution:	300 DPI (12 dots per mm)
Font styles:	Any Windows TrueType Font when P.C. driven.
	Printer fonts only when using remote keyboard, expandable vertically and horizontally up to 8x.
Bar codes:	Code 39, Code 93, Code 128 UCC, Code 128 (Subsets A, B and C), Codabar, Interleaved 2 of 5, EAN-8, EAN-13, UPC-A, UPC-E, EAN and UPC with 2 or 5 digit add-on, Postnet 2D bar codes: Maxicode, PDF-417, DataMatrix
Graphics:	Mono PCX format (recommended)

Indicators and Buttons

Indicators:	PWR., ON-LINE, ERR.
Buttons:	POWER, PAUSE, FEED,

Note: *The functions of buttons and LED's can be redefined by commands.*

Communication Interface

Interface:	Parallel LPT
Char Set:	ANSI ASCII character set

Power Requirements

In voltage:	Switching power, 110-240 VAC, 50-60 Hz
Outvoltage:	24 VDC
Fuse:	2A maximum

Note: *Use only the LabelStation power supply; failure to do so could cause serious damage to the LabelStation printer.*

Environment

Operating temperature:	40°F to 104°F (5°C to 40°C)
Storage temperature:	14°F to 140°F (-10°C to 60°C)
Humidity:	10% to 95% non-condensing
Ventilation:	Free air movement

Printer Body

Dimensions:	6.14"H x 9.13"W x 11.34"D
	(15.6 cm H x 23.2 cm W x 28.8 cm D)
Weight:	**Label**Station Printer: 6.0 lbs. (2.7 kg)

5.3.2. Options

A number of different options may be added to the **Label**Station printer for even greater convenience and versatility.

The available options include:
- Industrial Graphics CD-ROM
- Expandable FLASH memory module
- Cutter for guillotining labels or sign vinyl's
- Portable LCD keyboard

5.3.3. Supplies

Label Stock, Signage Media, and Cable Markers
LabelStation is capable of printing on a wide range of media. Refer to the supplies price list for specifications of compatible label media.

<u>Print Ribbons</u>
Our print ribbons have been designed for optimum print performance with our range of label media.

As a guide Industrial Print Ribbons are long life & highly durable when used with the appropriate media. General Purpose Print Ribbons are ideal for paper labels and printing on polyesters or vinyls where no long-term performance is required.

We cannot guarantee the performance the **Label**Station System with non-approved supplies.

5.4. Compliance's

CE, FCC, UL, CUL, TÜV-GS, CNS

5.5. Warranty Information

Advanced Labelling Systems warrants to the customer, that under normal use and service, the **Label**Station printer (with the exception of the print head) purchased hereunder shall be free from defects in material and workmanship for a period of one year, from the date of shipment by Advanced Labelling Systems. Expendable items or parts such as labels & ribbons are not covered by this warranty. This warranty does not cover equipment or parts, which have been misused, altered, neglected, carelessly handled, or used for purposes other than those for which the printer was manufactured. This warranty also does not cover loss, damages resulting from accident, or damages resulting from unauthorised service.

5.5.1. Thermal Print Head

The warranty of the thermal print head is limited to ninety days (90) from the date of shipment to buyer. The warranty does not cover thermal print heads, which have been misused, altered, neglected, handled carelessly, or damaged due to improper cleaning or unauthorised repairs.

5.5.2. Warranty Service Procedures

If a defect should occur during the warranty period, the defective unit must be returned, freight and insurance prepaid, in a suitable protective shipping container to Advanced Labelling Systems. Include a contact name, action required and a detailed description of the problem and examples when possible. Advanced Labelling Systems shall not be responsible for any loss or damages incurred during shipping or any loss due to the printer being unavailable for use.

5.5.3. General Warranty Provisions

Advanced Labelling Systems makes no warranty as to the design, capability, capacity, or suitability of any of its hardware, supplies or software. Software is licensed on an "as is" basis without warranty. Except and to the extent expressly provided in this warranty and in lieu of all other warranties, expressed or implied, including, but not limited to any warranties of merchantability or fitness for a particular product. Purchaser shall be solely responsible for the selection, use, efficiency and suitability of Advanced Labelling Systems products.

5.5.4. Limitation of Liability

In no event shall Advanced Labelling Systems be liable to the purchaser for any indirect, special, or consequential damages or lost profits arising out of or relating to Advanced Labelling Systems products, or if the performance or a breach thereof, even if Advanced Labelling Systems has been advised of the possibility thereof. Advanced Labelling Systems liability, if any, to the purchaser or to the customers of purchaser hereunder shall in no event exceed the total amounts paid to Advanced Labelling Systems hereunder by the purchaser for a defective product. In no event shall Advanced Labelling Systems be liable to the purchaser for any damages resulting from or related to any failure or delay of Advanced Labelling Systems in the delivery or installation of the computer hardware, supplies, or software in the performance of any services. The remedies set forth here are the sole and exclusive remedies available to any person for any damages of any kind and nature including incidental, consequential, or special, whether arising from warranty (including implied warranties), contract, negligence, tort or otherwise. In the event that any implied warranties (including but not limited to the implied warranties of merchantability and fitness for a particular purpose) are found to exist, such warranties are limited in duration to the period of the warranties.